## **CLAIMS**

## 1. A compound of formual (I):

$$O \longrightarrow (CH_2)_n \longrightarrow O \longrightarrow (CH_2)_p CR^{1a}R^{2a} \longrightarrow Ar^2$$
 $O \longrightarrow (CH_2)_n \longrightarrow O \longrightarrow (CH_2)_p CR^{1a}R^{2a} \longrightarrow Ar^2$ 
 $O \longrightarrow (CH_2)_n \longrightarrow O \longrightarrow (CH_2)_p CR^{1a}R^{2a} \longrightarrow Ar^2$ 
 $O \longrightarrow (CH_2)_n \longrightarrow (CH_2)$ 

or a salt, solvate, or physiologically functional derivative thereof, wherein:

## Ar1 is a group selected from

wherein R<sup>4</sup> represents hydrogen, halogen, -(CH<sub>2</sub>)<sub>q</sub>OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>8</sup>, -NR<sup>7</sup>SO<sub>2</sub>R<sup>8</sup>, -SO<sub>2</sub>NR<sup>7</sup>R<sup>8</sup>, -NR<sup>7</sup>R<sup>8</sup>, -OC(O)R<sup>9</sup> or OC(O)NR<sup>7</sup>R<sup>8</sup>, and R<sup>3</sup> represents hydrogen, halogen or C<sub>1-4</sub> alkyl;

or R<sup>4</sup> represents –NHR<sup>10</sup> and R<sup>3</sup> and –NHR<sup>10</sup> together form a 5- or 6- membered heterocyclic ring;

R<sup>5</sup> represents hydrogen, halogen, -OR<sup>7</sup> or -NR<sup>7</sup>R<sup>8</sup>;

R<sup>8</sup> represents hydrogen, halogen, haloC<sub>1-4</sub>alkyl, -OR<sup>7</sup>, -NR<sup>7</sup>R<sup>8</sup>, -OC(O)R<sup>9</sup>\_or OC(O)NR<sup>7</sup>R<sup>8</sup>;

 $R^7$  and  $R^8$  each independently represents hydrogen or  $C_{1-4}$  alkyl, or in the groups  $-NR^7R^8$ ,  $-SO_2NR^7R^8$  and  $-OC(O)NR^7R^8$ ,  $R^7$  and  $R^8$  independently represent hydrogen or  $C_{1-4}$  alkyl or together with the nitrogen atom to which they are attached form a 5-, 6- or 7- membered nitrogen-containing ring,

 $R^9$  represents an aryl (eg phenyl or naphthyl) group which may be unsubstituted or substituted by one or more substituents selected from halogen,  $C_{1-4}$  alkyl, hydroxy,  $C_{1-4}$  alkoxy or halo  $C_{1-4}$  alkyl; and

q is zero or an integer from 1 to 4;

Ar<sup>2</sup> is a group:

$$R^{12}$$
 or  $R^{12}$   $R^{11}$   $R^{13}$ 

wherein

R<sup>11</sup> is selected from hydrogen,  $C_{1-6}$ alkyl, hydroxy,  $C_{1-6}$  alkoxy, cyano, nitro, halo,  $C_{1-6}$ haloalkyl,  $XCO_2R^{16}$ ,  $-XC(O)NR^{15}R^{16}$ ,  $-XNR^{14}C(O)R^{15}$ ,  $-XNR^{14}C(O)NC(O)NR^{15}R^{16}$ ,  $-XNR^{14}SO_2R^{15}$ ,  $-XSO_2NR^{17}R^{18}$ ,  $XSR^{14}$ ,  $XSOR^{14}$ ,  $XSO_2R^{14}$ ,  $-XNR^{15}R^{16}$ ,  $-XNR^{14}C(O)OR^{15}$ , or  $XNR^{14}SO_2NR^{15}R^{16}$ , or  $R^{11}$  is selected from -X-aryl, -X-hetaryl, or -X-(aryloxy), each optionally substituted by 1 or 2 groups independently selected from hydroxy,  $C_{1-6}$ alkoxy, halo,  $C_{1-6}$ alkyl,  $C_{1-6}$ haloalkyl, cyano, nitro,  $CONR^{15}R^{16}$ ,

-NR<sup>14</sup>C(O)R<sup>15</sup>, SR<sup>14</sup>, SOR<sup>14</sup>, -SO<sub>2</sub>R<sup>14</sup>, -SO<sub>2</sub>NR<sup>17</sup>R<sup>18</sup>, -CO<sub>2</sub>R<sup>16</sup>, -NR<sup>15</sup>R<sup>16</sup>, or hetaryl optionally substituted by 1 or 2 groups independently selected from hydroxy, C<sub>1-6</sub>alkoxy, halo, C<sub>1-6</sub>alkyl, or C<sub>1-6</sub>haloalkyl;

X is  $-(CH_2)_r$  or  $C_{2-6}$  alkenylene;

r is an integer from 0 to 6, preferably 0 to 4;

 $R^{14}$  and  $R^{15}$  are independently selected from hydrogen,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl, aryl, hetaryl, hetaryl( $C_{1-6}$ alkyl)- and  $R^{14}$  and  $R^{15}$  are each independently optionally substituted by 1 or 2 groups independently selected from halo,  $C_{1-6}$ alkyl,  $C_{3-7}$  cycloalkyl,  $C_{1-6}$  alkoxy,  $C_{1-6}$ haloalkyl, -NHC(O)( $C_{1-6}$ alkyl), -SO<sub>2</sub>( $C_{1-6}$ alkyl), -SO<sub>2</sub>(aryl), -CO<sub>2</sub>H, and -CO<sub>2</sub>( $C_{1-4}$ alkyl), -NH<sub>2</sub>, -NH( $C_{1-6}$ alkyl), aryl( $C_{1-6}$ alkyl)-, aryl( $C_{2-6}$ alkynyl)-, hetaryl( $C_{1-6}$ alkyl)-, -NHSO<sub>2</sub>aryl, -NH(hetarylC<sub>1-6</sub>alkyl), -NHSO<sub>2</sub>hetaryl, -NHSO<sub>2</sub>( $C_{1-6}$ alkyl), -NHC(O)aryl, or -NHC(O)hetaryl:

or R<sup>14</sup> and R<sup>15</sup>, together with the nitrogen atom to which they are bonded, form a 5-, 6- or 7-membered nitrogen – containing ring;

or where R<sup>11</sup> is –XNR<sup>14</sup>C(O)NR<sup>15</sup>R<sup>16</sup>, R<sup>14</sup> and R<sup>15</sup> may, together with the -NC(O)N- portion of the group R<sup>1</sup> to which they are bonded, form a saturated or unsaturated ring, preferably a 5-, 6-, or 7- membered ring, for example an imidazolidine ring, such as imidazolidine-2,4-dione;

or where R<sup>11</sup> is –XNR<sup>14</sup>C(O)OR<sup>15</sup>, R<sup>14</sup> and R<sup>15</sup> may, together with the -NC(O)O- portion of the group R<sup>11</sup> to which they are bonded, form a saturated or unsaturated ring, preferably a 5-, 6-, or 7- membered ring, for example an oxazolidine ring, such as oxazolidine-2,4-dione;

 $R^{16}$  is selected from hydrogen,  $C_{1-8}$ alkyl and  $C_{3-7}$  cycloalkyl;

or where R<sup>11</sup> is –XC(O)NR<sup>15</sup>R<sup>16</sup> or –XNR<sup>14</sup>C(O)NR<sup>15</sup>R<sup>16</sup>, R<sup>15</sup> and R<sup>16</sup> may, together with the nitrogen to which they are bonded, form a 5-, 6-, or 7- membered nitrogen containing ring;

 $R^{17}$  and  $R^{18}$  are independently selected from hydrogen,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl, aryl, hetaryl, hetaryl( $C_{1-6}$ alkyl)- and aryl( $C_{1-6}$ alkyl)-, or  $R^{17}$  and  $R^{18}$ , together with the nitrogen to which they are bonded, form a 5-, 6-, or 7- membered nitrogen containing ring;

and R<sup>17</sup> and R<sup>18</sup> are each optionally substituted by one or two groups independently selected from halo, C<sub>1-6</sub>alkyl, and C<sub>3-7</sub>cycloalkyl, C<sub>1-6</sub>haloalkyl;

 $R^{12}$  is selected from hydrogen, hydroxy,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy, halo, aryl, aryl( $C_{1-6}$ alkyl)-,  $C_{1-6}$ haloalkoxy, and  $C_{1-6}$ haloalkyl;

 $R^{13}$  is selected from hydrogen, hydroxy,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy, halo, aryl, aryl( $C_{1-6}$ alkyl)-,  $C_{1-6}$ haloalkoxy, and  $C_{1-6}$ haloalkyl;

R<sup>1</sup> and R<sup>2</sup> are independently selected from hydrogen and C<sub>1-4</sub> alkyl with the proviso that the total number of carbon atoms in R<sup>1</sup> and R<sup>2</sup> is not more than 4:

one of  $R^{1a}$  and  $R^{2a}$  is selected from hydrogen and  $C_{1-4}$ alkyl, and the other of  $R^{1a}$  and  $R^{2a}$  represents  $C_{1-4}$ alkyl;

m is an integer of from 1 to 3; n is an integer of from 1 to 4; and p is zero or an integer of from 1 to 3;

and \_\_\_\_ represents a single or double bond.

2. A compound of formula (I) as defined in claim 1, or a salt, solvate or physiologically functional derivative thereof, except that:

R<sup>1a</sup> and R<sup>2a</sup> each represent hydrogen;

and in the group Ar1, either:

 $R^4$  represents halogen, -(CH<sub>2</sub>)<sub>q</sub>OR<sup>7</sup>, -NR<sup>7</sup>C(O)R<sup>8</sup>, -NR<sup>7</sup>SO<sub>2</sub>R<sup>8</sup>, -SO<sub>2</sub>NR<sup>7</sup>R<sup>8</sup>, -NR<sup>7</sup>R<sup>8</sup>,

-OC(O)R $^9$  or OC(O)NR $^7$ R $^8$ , and R $^3$  represents hydrogen or C $_{1\text{--}4}$  alkyl;

or:

R<sup>4</sup> represents –NHR<sup>10</sup> and R<sup>3</sup> and –NHR<sup>10</sup> together form a 5- or 6- membered heterocyclic ring;

- 3. A compound of formula (I) according to either claim 1 or claim 2 wherein the group Ar<sup>1</sup> is selected from groups (a) and (b) as defined in claim 1.
- 4. A compound of formula (I) according to any of claims 1 to 3 wherein, in the group Ar<sup>2</sup>, R<sup>11</sup> is selected from hydrogen, C<sub>1-4</sub>alkyl, hydroxy, halo, -NR<sup>14</sup>C(O)NR<sup>15</sup>R<sup>16</sup>,

- -NR<sup>14</sup>SO<sub>2</sub>R<sup>15</sup> and XSO<sub>2</sub>NR<sup>17</sup>R<sup>18</sup> wherein R<sup>14</sup> to R<sup>18</sup> are as defined in claim 1.
- 5. A compound of formula (I) according to any of claims 1 to 3 wherein, in the group Ar<sup>2</sup>, R<sup>11</sup> is selected from cyano, -CONR<sup>15</sup>R<sup>16</sup>, SR<sup>14</sup>, SOR<sup>14</sup> and SO<sub>2</sub>R<sup>14</sup>, wherein R<sup>14</sup>, R<sup>15</sup> and R<sup>16</sup> are as defined in claim 1.
- 6. A compound of formula (I) according to any of claims 1 to 5 wherein R<sup>12</sup> and R<sup>13</sup> each represent hydrogen.
- 7. A compound of formula (I) according to any of claims 1 to 3 wherein  $R^{11}$  represents hydrogen and  $R^{12}$  and  $R^{13}$  each represent halogen or  $C_{1-8}$ alkyl.
- 8. A compund of formula (I) according to any of claims 1 to 7 wherein R<sup>1</sup> and R<sup>2</sup> are both hydrogen.
- 9. A compound of formula (I) according to any of claims 1 to 8 wherein each of m and n is independently 1 or 2, and p is zero or 1.
- 10. A compound of formula (I) selected from:
- $4-((1R)-2-\{[2-((3R)-3-\{[(2,6-Dichlorobenzyl)oxy]methyl\}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;$
- 4-{(1*R*)-2-[(2-{(3*R*)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol;
- 4-{(1*R*)-2-[(2-{(3*S*)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol;
- 2-(Hydroxymethyl)-4- $\{(1R)$ -1-hydroxy-2- $[(2-\{(3R)$ -3-[(pyridin-3-ylmethoxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]ethyl}phenol;
- 4-((1R)-2-{[2-((3R)-3-{[(6-Chloropyridin-3-yl)methoxy]methyl}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;
- 4-((1R)-2-{[2-((3R)-3-{[(2,6-Dichloropyridin-3-yl)methoxy]methyl}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;
  - 4-{(1R)-2-[(2-{2-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol;
  - $4-((1R)-2-\{[2-((3R)-3-\{[(5-Bromopyridin-3-yl)methoxy]methyl\}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;$

 $3-[(((2R)-7-[2-(((2R)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl)amino)ethyl]-2,3-dihydro-1,4-benzodioxin-2-yl}methoxy)methyl]benzonitrile;$ 

- $3-[(((2R)-7-[2-(((2R)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl)amino)ethyl]-2,3-dihydro-1,4-benzodioxin-2-yl}methoxy)methyl]benzamide;$
- 4-[(1R)-2-((2-[(3R)-3-({[3-(Cyclopentylthio)benzyl]oxy}methyl)-2,3-dihydro-1,4-benzodioxin-6-yl]ethyl}amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol;
- 4-[(1R)-2-((2-[(3R)-3-({[3-(Cyclopentylsulfonyl)benzyl]oxy}methyl)-2,3-dihydro-1,4-benzodioxin-6-yl]ethyl}amino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol;
- 2-(Hydroxymethyl)-4- $\{(1R)$ -1-hydroxy-2- $[(2-\{(3R)$ -3- $[(\{5-[4-(methylsulfinyl)phenyl]pyridin-3-yl\}methoxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino[ethyl]phenol;$
- $N-{3-[({(2R)-7-[2-({(2R)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)ethyl]-2,3-dihydro-1,4-benzodioxin-2-yl}methoxy)methyl]phenyl}urea;$
- 4-((1R)-2-{[2-((3R)-3-{[(4-Chlorobenzyl)oxy]methyl}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;
- $4-((1R)-2-\{[2-((3R)-3-\{[(4-Fluorobenzyl)oxy]methyl\}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;$
- $4-((1R)-2-\{[2-((3R)-3-\{[(3,5-Dimethylbenzyl)oxy]methyl\}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;$
- 2-(Hydroxymethyl)-4- $\{(1R)$ -1-hydroxy-2- $[(2-\{(3R)$ -3-[(1-phenylethoxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]ethyl}phenol;
- $2-(Hydroxymethyl)-4-[(1R)-1-hydroxy-2-(\{2-[(3R)-3-(\{[3-(methylsulfonyl)benzyl]oxy\}methyl)-1-((1R)-1-hydroxy-2-(\{2-[(3R)-3-(\{[3-(methylsulfonyl)benzyl]oxy\}methyl)-1-((1R)-1-hydroxy-2-(\{2-[(3R)-3-(\{[3-(methylsulfonyl)benzyl]oxy\}methyl)-1-((1R)-1-hydroxy-2-(\{2-[(3R)-3-(\{[3-(methylsulfonyl)benzyl]oxy\}methyl)-1-((1R)-1-hydroxy-2-(\{2-[(3R)-3-(\{[3-(methylsulfonyl)benzyl]oxy\}methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-(\{[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([[3-(methylsulfonyl)benzyl]oxy)methyl)-1-((1R)-1-hydroxy-2-([3-(methylsulfonyl)benzyl]oxy)methylloxymethy$
- 2,3-dihydro-1,4-benzodioxin-6-yl]ethyl]amino)ethyl]phenol;
- 4-((1*R*)-2-{[2-((3*R*)-3-{[3-(2,6-Dichlorophenyl)propoxy]methyl}-2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]amino}-1-hydroxyethyl)-2-(hydroxymethyl)phenol;
- $3-[({(2R)-7-[2-({(2R)-2-Hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)ethyl]-2,3-dihydro-1,4-benzodioxin-2-yl}methoxy)methyl]benzenesulfonamide;$
- 6-{2-[(2-{(3R)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)pyridin-3-ol;
- N-(5-{(1*R*)-2-[(2-{(3*R*)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-hydroxyphenyl)methanesulfonamide;
- $4-{(1R)-2-(2-(3R)-3-(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-fluorophenol;$
- $4-{(1R)-2-[(2-{(3R)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-3-methylphenol;$
- (1R)-1-(4-Amino-3,5-dichlorophenyl)-2-[(2-{(3R)-3-[(benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]ethanol;

5-{(1*R*)-2-[(2-{(3*R*)-3-[(Benzyloxy)methyl]-2,3-dihydro-1,4-benzodioxin-6-yl}ethyl)amino]-1-hydroxyethyl}-2-hydroxyphenylformamide;

or a salt, solvate or physiologically functional derivative thereof.

- 11. A method for the prophylaxis or treatment of a clinical condition in a mammal, such as a human, for which a selective β<sub>2</sub>-adrenoreceptor agonist is indicated, which comprises administration of a therapeutically effective amount of a compound of formula (I) according to any of claims 1 to 10, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof.
- 12. A compound of formula (I) according to any of claims 1 to 10, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof for use in medical therapy.
- 13. A pharmaceutical formulation comprising a compound of formula (I) according to any of claims 1 to 10, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof, and a pharmaceutically acceptable carrier or excipient, and optionally one or more other therapeutic ingredients.
- 14. The use of a compound of formula (I) according to any of claims 1 to 10, or a pharmaceutically acceptable salt, solvate, or physiologically functional derivative thereof in the manufacture of a medicament for the prophylaxis or treatment of a clinical condition for which a selective  $\beta_{2}$ -adrenoreceptor agonist is indicated.
- 15. A process for the preparation of a compound of formula (I), according to any of claims 1 to 10, or a salt, solvate, or physiologically functional derivative thereof, which comprises:
  - (a) deprotection of a protected intermediate, for example of formula (II).

$$Ar^{18} - CHCH_{2}NR^{23}CR^{1}R^{2}(CH_{2})_{m}$$

$$O - (CH_{2})_{p}CR^{18}R^{28} - Ar^{28}$$

or a salt or solvate thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>1a</sup>, R<sup>2a</sup>, m, n, p and \_\_\_\_ are as defined for the compound of formula (I), Ar<sup>1a</sup> represents an optionally protected form of Ar<sup>1</sup>; Ar<sup>2a</sup> represents an optionally protected form of Ar<sup>2</sup> and R<sup>23</sup> and R<sup>24</sup> are each independently either hydrogen or a protecting group, provided that the compound of formula (II) contains at least one protecting group;

## (b) alkylation of an amine of formula

wherein Ar<sup>1a</sup>, R<sup>23</sup> and R<sup>24</sup> are as defined for formula (II) with a compound of formula (XV):

$$LCR^{1}R^{2}(CH_{2})_{m} CR^{1a}R^{2a}Ar^{2c}$$

$$(CH_{2})_{n}O(CH_{2})_{p}CR^{1a}R^{2a}Ar^{2c}$$

$$(XV)$$

wherein \_\_\_\_, Ar², R¹, R², R¹a, R²a, m, n and p are as defined for the compound of formula (II) and L is a leaving group as defined for formula (IX);

followed by the following steps in any order:

- (i) optional removal of any protecting groups;
- (ii) optional separation of an enantiomer from a mixture of enantiomers;
- (iii) optional conversion of the product to a corresponding salt, solvate, or physiologically functional derivative thereof.